



Institutional Visit

Vigyan Jyoti Programme Empowers Students: Inspiring Educational Visit to CSVTU Bhilai



The Vigyan Jyoti Programme, guided by the Department of Science and Technology (DST), orchestrated a transformative educational visit for 49 students and their mentors from various schools to Chhattisgarh Swami Vivekanand Technical University (CSVTU) in Bhilai on August 17, 2023. The visit aimed to expose these young minds to an educational institution's diverse facilities and programs.

Upon arrival at CSVTU Bhilai, the students received a warm welcome from Dr. Smita, Dr. Tarkeshwari Verma, Dr. Patra, and Dr. Verma. The day began with introductory speeches and a presentation highlighting the university's achievements. The Director of UTD CSVTU Bhilai discussed the institute's future plans and their alignment with the students' aspirations.



A guided campus tour showcased various departments, smart classrooms, labs, and libraries, leaving a lasting impression. Interactive sessions covered academic programs, career prospects, and research opportunities. Career counseling helped students understand diverse career pathways.

Students also interacted with current university students, gaining insights into student life and extracurricular activities. In conclusion, the visit was a resounding success, inspiring students to recognize higher education's value and potential for success. They expressed gratitude to CSVTU Bhilai for their warm hospitality, leaving with newfound inspiration to set ambitious educational and personal goals.

Live Stream event

Chandrayaan-3's Historic Moon Landing Celebrated at Chhattisgarh Swami Vivekananda Technical University



On the evening of August 23, 2023, Chhattisgarh Swami Vivekananda Technical University (CSVTU), Bilai, witnessed a momentous occasion that will be etched in history. Gathered at the University Teaching Department, students, faculty, and staff eagerly watched the live telecast of India's Chandrayaan-3 moon landing. Esteemed guests, including Pro-Vice Chancellor Dr. Sanjay Aggarwal, Registrar Dr. K. K. Verma, Director Dr. P.K. Ghosh, and other university officers and students, were in attendance. Chandrayaan-3, India's latest lunar mission, made history with a flawless landing on the moon's surface at 6:04 p.m. that historic August evening. What set this achievement apart was the 'soft landing' executed at the Moon's south pole, an unprecedented feat globally.

A pivotal aspect of this mission was the deployment of a rover, a small vehicle designed for lunar terrain exploration. The rover embarked on a groundbreaking scientific expedition.

objectives of ISRO:

1. Demonstrating Safe and Soft Landing: Chandrayaan-3's gentle touch-down showcased India's space technology prowess.
2. Rover Exploration: The deployed rover promises groundbreaking lunar surface exploration, conducting experiments and collecting vital data.
3. In-situ Scientific Experiments: Chandrayaan-3 aims to perform various scientific experiments, shedding light on the Moon's geology, atmosphere, and composition.

For CSVTU, this achievement underlined the limitless potential of science and technology. The university's commitment to nurturing inquisitive minds and fostering exploration was evident during the Chandrayaan-3 landing event.

This historic achievement by ISRO resonated deeply with CSVTU's spirit of discovery. It served as a wellspring of inspiration for the university community, encouraging them to pursue their aspirations in space exploration or other fields.

As we celebrate this monumental occasion, it's an opportune time to reflect on the endless possibilities of science and technology. Chandrayaan-3's success signifies India's commitment to pushing the boundaries of knowledge.

In conclusion, as Swami Vivekananda once said, "Arise, awake, and stop not until the goal is reached." With Chandrayaan-3's triumphant landing, India has reached a significant milestone in its journey to the stars. The students of CSVTU are poised to follow suit in their pursuit of knowledge and excellence.

Students from IEEE SB participated in the International Leadership Summit held on August 25th and 26th, 2023

The IEEE Women in Engineering International Leadership Summit held on August 25th and 26th was a two-day event that saw active participation from IEEE UTD student branch members including Tanisha Sinha, Devika Sinha, G. Kirtika, Aayushi Singh, Shalini Pareek, Ashish Baidya, Jayant Patel, Gaurav Kumar Azad, Surabh Bharti, and Atul Lanjewar, and others students representing their respective states.



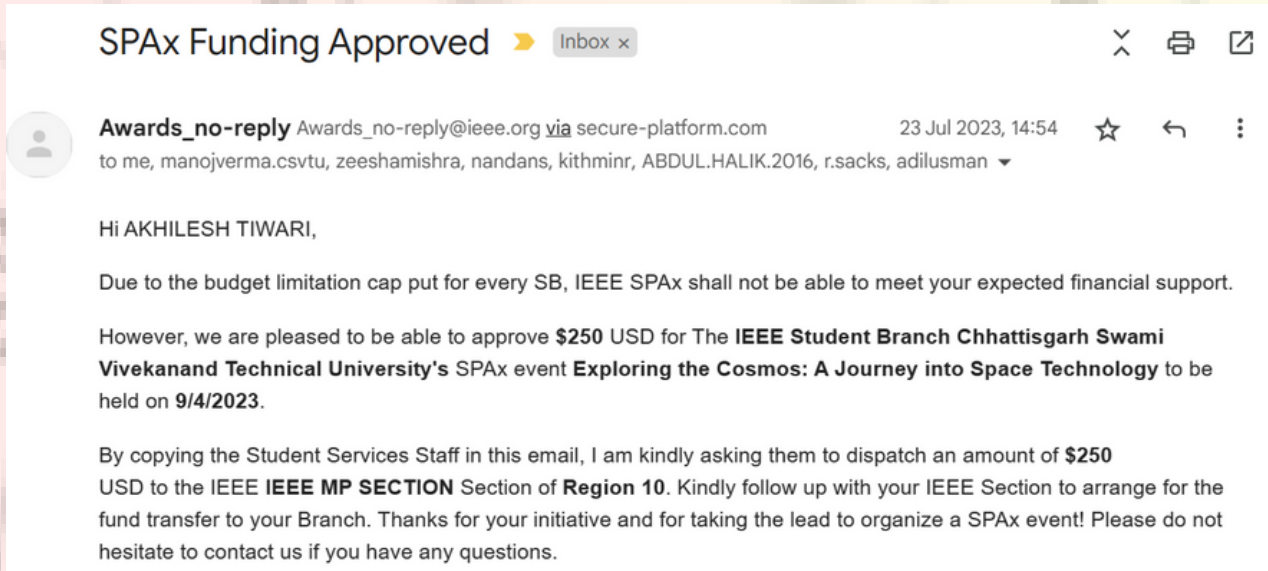
The inaugural ceremony marked the beginning of the event, which featured four tracks focusing on innovation and entrepreneurship, women in space, humanitarian efforts, and climate change sustainability. Esteemed speakers from each field shared their expertise and insights. Notably, R N Patel Sir was a distinguished guest for a panel discussion, further enriching the knowledge of the attending students.

Throughout the summit, students gained valuable insights into various technologies and developmental trends while emphasizing the critical importance of environmental conservation and tackling climate change. The event concluded with a cultural night, where participants from different states showcased their unique cultural heritage. On the second day, the parallel tracks continued, offering further opportunities for learning and engagement, ultimately ending with a heartfelt vote of thanks. This summit fostered knowledge exchange, collaboration, and a shared commitment to addressing pressing global challenges.

The IEEE SB Counselor Mr. Akhilesh Kumar Tiwari congratulated all the IEEE SB members for their successful participation in the event and was thankful to the organizing team. He also mentioned that participating in these types of summits will provide a unique platform for the students of CSVTU Bhilai from different backgrounds to come together, interact, and learn from experts and students from all over the world.

Funding recieved

IEEE SB CSVTU Received an Amount of 250 USD for the SPAX Event



It's a matter of pride and joy that our IEEE SB has been selected to receive a grant from IEEE's Special Projects and Activities Committee (SPAX). This recognition is a testament to the innovation and dedication of our team in advancing the field of research. IEEE SPAX is known for its support of groundbreaking initiatives that have the potential to make a significant impact on the field. Being chosen for this grant not only provides us with financial support but also validates the importance and potential of our SB within the global engineering community.

This grant will enable us to further our research, develop our project, and reach new milestones in our quest for technological advancement. We are excited about the opportunities this grant brings and are committed to utilizing it effectively to achieve our goals.

IEEE SB Mentor Dr. R N Patel and IEEE SB Counselor Mr. Akhilesh Kumar Tiwari extend their gratitude to IEEE SPAX for their trust in IEEE SB CSVTU and look forward to sharing their progress and results with the IEEE community and the world at large.

Thank you for your continued support, and we are excited to embark on this journey of innovation and discovery.

publications

Research Paper Accepted in iTEC 2023 Chennai



It is a pleasure to inform you all that paper entitled "An Isolated Three-Port Converter with Multi- Level PFC Converter for Hybrid Charging Application" authored by Mr. Akhilesh Kumar Tiwari Asst. Prof. EEE CSVTU, Bhilai has been accepted for publication in IEEE ITEC-India 2023 to be held during 12th -15th December 2023, being organized by at the Chennai Trade Centre, Chennai India jointly by the IEEE Industry Applications Society and SAE India.

iTEC India 2023 is carefully curated to include Hardware transition from IC to EV; Embedded Electronics of Vehicles including Semiconductors and Software to improve the performance of Electric Vehicles. It will cover the whole gamut of electric vehicles from Battery Electric Vehicles, Hybrid Electric Vehicles, Plug-in Hybrid Electric Vehicle and Fuel Cell Electric Vehicle.

The theme of iTEC INDIA 2023 is "eAMRIT – Accelerating e-Mobility Revolution for India's Transportation", keeping in tune with the latest trends and future challenges being faced by the Electric Vehicle Industry.

iTEC India 2023 will be a significant event since our country is gearing up for adopting e-Mobility as the future of mobility in India by 2030. iTEC India 2023 will act as a platform for Indian as well as the global automotive industry, academia, technology and ecosystem solution providers, in their endeavour towards showcasing India's e-Mobility mission, for a sustainable and safe future.



MOU

"Chhattisgarh Swami Vivekananda Technical University and Science Council Sign MoU to Boost Intellectual Property Rights and Innovation"

Chhattisgarh Swami Vivekananda Technical University (CSVTU) in Bilai has signed a Memorandum of Understanding (MoU) with the Chhattisgarh Science and Technology Council to enhance research and innovation in the field of Intellectual Property Rights (IPR). As part of this collaboration, an Intellectual Property Rights Cell will be established. This initiative aims to promote scientific temperament and awareness of IPR among faculty, staff, students, research scholars, and external agencies in the state.

The partnership will provide guidance on IPR implementation and rules, as well as establish IPR cells in various universities and colleges. This joint effort is expected to give Chhattisgarh a competitive advantage in scientific and intellectual activities related to inventions, copyrights, designs, and other creative and innovative products. The signing ceremony was attended by key figures from both institutions, including Dr. MK Verma, Vice Chancellor of CSVTU, and Dr. PK Ghosh, Director of UTD CSVTU, among others.

Ph.D.

SR. NO.	DISCIPLINE	RESEARCH TITLE	SCHOLAR NAME	SUPERVISOR	CO-SUPERVISOR
1	MECHANICAL ENGINEERING	APPLICATION OF AI TECHNIQUES FOR QUALITY ASSURANCE AND DEFECT REDUCTION IN SAND CASTING INDUSTRY	Ms. Anjul Rai	Dr. S K Ganguly, Professor	Dr. Shiena Shekhar, Professor., BIT,Durg
2	PHARMACY	METHOD DEVELOPMENT AND CHARACTERIZATION OF IMPURITIES IN DRUG SAMPLES BY USING MODERN ANALYTICAL TECHNIQUES	Ms Swati Pandey	Dr Shiv Shankar Shukla, Professor, CIP, Raipur	Dr. Ravindra Kumar Pandey, Professor., CIP, Raipur
3	MECHANICAL ENGINEERING	PERFORMANCE ANALYSIS OF FRICTION STIR WELDING STRENGTH TO MINIMISE TOOL TEMPERATURE AND ROTATIONAL SPEED ON DISSIMILAR MATERIALS	Mr. Sharda Pratap Shrivastava	Dr. G. K. Agrawal, Professor, GEC, Bilaspur	Dr. Shubhrata Nagpal, Professor., BIT, Durg

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